INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/02750

A. CLASSIFICATION OF SUBJECT MATTER					
IPC(7) : B63B 1/22					
US CL: 114/285 According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols)					
U.S.: 114/271, 284-287, 67R, 145A					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
None					
The state have a state of the interesting and the state of the state o					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	US 3,159,131 A(FREDERICK) 01 December 1964 (01.12.1964).			1,2,7,14,16,21	
^	03 3,139,131 A(FREDERICK) 01 December 1904 (01.12.1904).			1,2,1,1,10,21	
X	US 3,463,109 A (WEILER) 26 August 1969 (26.08.1969)			1,2,7,14,16,21	
	770 0 000 000 A (KED GIVETAAL) 00 I 1071 (00 06 1071)			127141601	
X	US 3,389,323 A (KERCHEVAL) 29 June 1971 (29.06.1971)			1,2,7,14,16,21	
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Furthe	r documents are listed in the continuation of Box C.		See patent family annex.		
			T" later document published after the international filing date or priority		
"A" documen	defining the general state of the art which is not considered to be		date and not in conflict with the appli principle or theory underlying the inv		
of particular relevance			"X" document of particular relevance; the claimed invention cannot be		
"E" carlier a	oplication or patent published on or after the international filing date	~	considered novel or cannot be considered		
"L" document which may throw doubts on priority claim(s) or which is cited to			when the document is taken alone		
establish the publication date of another citation or other special reason (as specified)		"Y"	document of particular relevance; the considered to involve an inventive ste		
			combined with one or more other such documents, such combination being obvious to a person skilled in the art		
	t referring to an oral disclosure, use, exhibition or other means	_0_			
"P" document published prior to the international filing date but later than the "& priority date claimed			document member of the same patent	family	
Date of the actual completion of the international search Date of mailing of the international search report					
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01 February 2005 (01.02.2005)					
Name and mailing address of the ISA/US Mail Stop PCT, Atn: ISA/US			Authorized officer Jesús D. Sotelo / H and g		
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